

## Refine Search

### Search Results -

Term	Documents
MAGNETIC	1538849
MAGNETICS	13620
RESONANCE	308031
RESONANCES	18015
(2 AND (MAGNETIC ADJ RESONANCE)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	18
(L2 AND (MAGNETIC ADJ RESONANCE) ).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	18

Database:

US Pre-Grant Publication Full-Text Database  
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Search:

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### Search History

DATE: Thursday, September 08, 2005   [Printable Copy](#)   [Create Case](#)

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<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>			
<u>L4</u>	L2 and (magnetic adj resonance)	18	<u>L4</u>
<u>L3</u>	L2 and adjoin\$3	5	<u>L3</u>
<u>L2</u>	L1 and magnet	80	<u>L2</u>
<u>L1</u>	(rf adj shilding) or shild\$4	650	<u>L1</u>

END OF SEARCH HISTORY

## Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
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Search Results - Record(s) 1 through 18 of 18 returned.

- ☐ 1. Document ID: US 20050113676 A1      Relevance Rank: 54

Using default format because multiple data bases are involved.

L4: Entry 1 of 18

File: PGPB

May 26, 2005

PGPUB-DOCUMENT-NUMBER: 20050113676

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050113676 A1

TITLE: Device and method for preventing magnetic-resonance imaging induced damage

PUBLICATION-DATE: May 26, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Weiner, Michael L.	Webster	NY	US	
Miller, Victor R.	Clarence	NY	US	
Connelly, Patrick R.	Rochester	NY	US	
Helfer, Jeffrey L.	Webster	NY	US	

US-CL-CURRENT: 600/421; 324/322, 600/374, 607/119

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	Keywords	Drawings
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- ☐ 2. Document ID: US 6819954 B2      Relevance Rank: 34

L4: Entry 9 of 18

File: USPT

Nov 16, 2004

US-PAT-NO: 6819954

DOCUMENT-IDENTIFIER: US 6819954 B2

TITLE: Electromagnetic interference immune tissue invasive system

DATE-ISSUED: November 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Connelly, Patrick R.	Rochester	NY		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Biophan Technologies, Inc.	West Henrietta	NY			02

APPL-NO: 10/ 077982 . [PALM]  
DATE FILED: February 19, 2002

## PARENT-CASE:

PRIORITY INFORMATION This application claims priority from U.S. Provisional Patent Application, Ser. No. 60/269,817, filed on Feb. 20, 2001; the entire contents of which are hereby incorporated by reference. CROSS REFERENCE TO RELATED PATENT APPLICATIONS The subject matter of co-pending U.S. patent application Ser. No. 09/885,867, filed on Jun. 20, 2001, entitled "Controllable, Wearable MRI-Compatible Cardiac Pacemaker With Pulse Carrying Photonic Catheter And VOO Functionality"; co-pending U.S. patent application Ser. No. 09/885,868, filed on Jun. 20, 2001, entitled "Controllable, Wearable MRI-Compatible Cardiac Pacemaker With Power Carrying Photonic Catheter And VOO Functionality"; co-pending U.S. patent application Ser. No. 10/037,513, filed on Jan. 4, 2002, entitled "Optical Pulse Generator For Battery Powered Photonic Pacemakers And Other Light Driven Medical Stimulation Equipment"; co-pending U.S. patent application Ser. No. 10/037,720, filed on Jan. 4, 2002, entitled "Opto-Electric Coupling Device For Photonic Pacemakers And Other Opto-Electric Medical Stimulation Equipment"; co-pending U.S. patent application Ser. No. 09/943,216, filed on Aug. 30, 2001, entitled "Pulse width Cardiac Pacing Apparatus"; co-pending U.S. patent application Ser. No. 09/964,095, filed on Sep. 26, 2001, entitled "Process for Converting Light"; and co-pending U.S. patent application Ser. No. 09/921,066, filed on Aug. 2, 2001, entitled "MRI-Resistant Implantable Device". The entire contents of each of the above noted co-pending U.S. patent applications (Ser. Nos.: 09/885,867; 09/885,868; 10/037,513; 10/037,720; 09/943,216; 09/964,095; and 09/921,066) are hereby incorporated by reference.

INT-CL: [07] A61 N 1/362

US-CL-ISSUED: 607/27

US-CL-CURRENT: 607/27

FIELD-OF-SEARCH: 607/1-156

PRIOR-ART-DISCLOSED:

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PRIMARY-EXAMINER: Getzow; Scott M.

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#### ABSTRACT:

An electromagnetic immune tissue invasive system includes a primary device housing. The primary device housing having a control circuit therein. A shielding is formed around the primary device housing to shield the primary device housing and any circuits therein from electromagnetic interference. A lead system transmits and receives signals between the primary device housing. The lead system is either a fiber optic system or an electrically shielded electrical lead system.

13 Claims, 85 Drawing figures

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	DOC	Draw
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☐ 3. Document ID: US 6901290 B2      Relevance Rank: 33

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TITLE: Electromagnetic interference immune tissue invasive system

DATE-ISSUED: May 31, 2005

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## PARENT-CASE:

PRIORITY INFORMATION This application claims priority from U.S. Provisional Patent Application Ser. No. 60/269,817, filed on Feb. 20, 2001; the entire contents of which are hereby incorporated by reference.

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US-CL-ISSUED: 607/9; 607/63

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ART-UNIT: 3762

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ABSTRACT:

An electromagnetic immune tissue invasive system includes a primary device housing. The primary device housing having a control circuit therein. A shielding is formed around the primary device housing to shield the primary device housing and any circuits therein from electromagnetic interference. A lead system transmits and receives signals between the primary device housing. The lead system is either a fiber optic system or an electrically shielded electrical lead system.

37 Claims, 85 Drawing figures

Full	Title	Citation	Front	Review	Classification	Date	Reference		Claims	NOAC	Drawings
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File: USPT

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TITLE: Electromagnetic interference immune tissue invasive system

DATE-ISSUED: April 6, 2004

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PARENT-CASE:

PRIORITY INFORMATION This application claims priority from U.S. Provisional Patent Application, Ser. No. 60/269,817, filed on Feb. 20, 2001; the entire contents of which are hereby incorporated by reference. CROSS REFERENCE TO RELATED PATENT APPLICATIONS The subject matter of U.S. patent application Ser. No. 09/885,867, filed on Jun. 20, 2001, entitled "Controllable, Wearable MRI-Compatible Cardiac Pacemaker With Pulse Carrying Photonic Catheter And VOO Functionality"; U.S. patent application Ser. No. 09/885,868, filed on Jun. 20, 2001, entitled "Controllable, Wearable MRI-Compatible Cardiac Pacemaker With Power Carrying Photonic Catheter And VOO Functionality"; U.S. patent application Ser. No. 10/037,513, filed on Jan. 4,

2002, entitled "Optical Pulse Generator For Battery Powered Photonic Pacemakers And Other Light Driven Medical Stimulation Equipment"; U.S. patent application Ser. No. 10/037,720, filed on Jan. 4, 2002, entitled "Opto-Electric Coupling Device For Photonic Pacemakers And Other Opto-Electric Medical Stimulation Equipment"; U.S. patent application Ser. No. 09/943,216, filed on Aug. 30, 2001, entitled "Pulse width Cardiac Pacing Apparatus"; U.S. patent application Ser. No. 09/964,095, filed on Sep. 26, 2001, entitled "Process for Converting Light"; and U.S. patent application Ser. No. 09/921,066, filed on Aug. 2, 2001, entitled "MRI-Resistant Implantable Device". The entire contents of each of the above noted U.S. patent applications (Ser. Nos.: 09/885,867; 09/885,868; 10/037,513; 10/037,720; 09/943,216; 09/964,095; and 09/921,066) are hereby incorporated by reference.

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US-CL-ISSUED: 607/2

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ART-UNIT: 3762

PRIMARY-EXAMINER: Getzow; Scott M.

ATTY-AGENT-FIRM: Basch & Nickerson LLP Nickerson; Michael J.

# ABSTRACT:

An electromagnetic immune tissue invasive system includes a primary device housing. The primary device housing having a control circuit therein. A shielding is formed around the primary device housing to shield the primary device housing and any circuits therein from electromagnetic interference. A lead system transmits and receives signals between the primary device housing. The lead system is either a fiber optic system or an electrically shielded electrical lead system.

80 Claims, 85 Drawing figures

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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L4: Entry 17 of 18

File: USPT

Apr 6, 2004

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DOCUMENT-IDENTIFIER: US 6718207 B2

TITLE: Electromagnetic interference immune tissue invasive system

DATE-ISSUED: April 6, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Connelly; Patrick R.	Rochester	NY		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Biophan Technologies, Inc.	West Henrietta	NY			02

APPL-NO: 10/ 077842 [PALM]  
 DATE FILED: February 19, 2002

## PARENT-CASE:

PRIORITY INFORMATION This application claims priority from U.S. Provisional Patent Application Ser. No. 60/269,817, filed on Feb. 20, 2001; the entire contents of which are hereby incorporated by reference.

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US-CL-ISSUED: 607/9  
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FIELD-OF-SEARCH: 607/1-156

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